Index of Claims

| Application No. | Applicant(s) |
|--------------------|-----------------|
| 09/238,163 | SUMIYAMA ET AL. |
| Examiner | Art Unit |
| Joseph R. Pokrzywa | 2622 |

| , | Rejected | _ | (Through Cand |
|---|----------|---|------------------|
| | Allowed | ÷ | Rest |

| (Through numeral) Cancelled | N | Non-Elected |
|--------------------------------|---|--------------|
| Restricted | ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| Claim | Ι | | | _ | C | Date | Э | | | | | Clai | m | | | | | Date | | | |] | С | laim | | | | | ate | e | | | |
|---------------------|---------|---------|---------|--------------|----------|------|--------------|--------------|----------------|----------|----------|---|----------|----------|----------------|----------|----------------|----------|----------------|-------------------------|----------|-----|--------------|------------|--|----------|----------|----------|-----|----------|----------|-----------|--|
| <u>_</u> <u>_</u> | 14 | ለ | | | · | | | | | 1 | _ | . | ā | | | | | | | | | | _ | a | | | | | | | | | |
| Final | 12 | 7 | | | | | | | i | | Fig | | Original | | | | | | | | | | Final | Original | 1 | | | | | | | | |
| 🖫 🗟 | 1 | J | | | - | | | | | | Ιü | : | Ö | | | | | | | | | | ļ Œ | 5 | | | | | | | ٠, ا | | |
| | \$ | * | + | 4 | _ | | <u> </u> | _ | Ш | | <u> </u> | - | | _ | | | | | 4 | _ | | | <u></u> | | | | | | | | | _ | <u> </u> |
| <u> </u> | 4 | 4 | + | + | - | | | _ | | 4 | \vdash | 4 | 51 | | Ш | Щ | | | - | _ | | - | <u> </u> | 101 | _ | <u> </u> | | _ | | <u> </u> | _ | \dashv | <u> </u> |
| 2 | 7 | + | + | + | 4 | | <u> </u> | ⊢ | | \dashv | - | + | 52 | | Н | | | \vdash | -+ | - | | ┨ | <u> </u> | 102 | <u> </u> | \vdash | _ | _ | | | | \dashv | <u>—</u> |
| 4 | + | + | + | + | - | | - | ⊢ | Н | ᆜ | \vdash | + | 53 54 | _ | Н | _ | | \vdash | \dashv | + | | ┨ | - | 103 | <u> </u> | | _ | \vdash | | \vdash | | \dashv | <u> </u> |
| 5 | - 1 | + | + | + | \dashv | | - | - | - | | - | + | 55 | - | Н | \dashv | \dashv | \dashv | \dashv | \dashv | + | - | - | 104 105 | - | | Н | - | _ | \vdash | | \dashv | _ |
| 6 | +, | ↟ | ╁ | + | ┥ | | <u> </u> | ⊢ | Н | \dashv | - | + | 56 | - | Н | - | - | \dashv | \dashv | \dashv | - | ┨ | - | 106 | - | ⊢ | | _ | _ | H | \dashv | \dashv | |
| 7 | ١. | / | ╅ | + | ┪ | | _ | \vdash | Н | \neg | | 十 | 57 | \vdash | \Box | | - | | + | \dashv | + | ┨ | <u> </u> | 107 | - | ⊢ | | | _ | H | \dashv | \dashv | _ |
| 8 | 1 | 7 | + | + | ┪ | | _ | | Н | \dashv | | | 58 | | \neg | | | | T | 寸 | _ | 1 | | 108 | 1 | - | _ | | - | | \dashv | \dashv | |
| 9 | 4 | 1 | \top | 7 | T | | | _ | | П | | | 59 | | | | | | _ | 十 | \top | 1 | | 109 | _ | | | | | | \neg | \neg | |
| 10 | 7, | 7 | \top | 1 | \neg | | | | | П | | | 60 | | | | | | T | 寸 | | 1 | | 110 | | | | | | | ヿ | \neg | |
| 11 | ٥ | 1 | Ι | | | | | | | | | | 61 | | | | | | | J | |] | | 111 | | | | | | | | | |
| 12 | | | \perp | \perp | \Box | | | | | | | | 62 | | | | | | | J | |] | | 112 | | | | | | | | | |
| 13 | | | \perp | 1 | _] | | | | | Ш | | | 63 | | | | | | \Box | $oldsymbol{\perp}$ | | | | 113 | | | | | | | | | |
| 14 | | _ | \perp | \downarrow | _ | | <u> </u> | _ | Щ | Щ | \perp | | 64 | | | Щ | | | _ | 4 | | 1 | <u></u> | 114 | $oxed{\Box}$ | | | | | | \Box | \Box | _ |
| 15 | Į u | | \bot | 4 | 4 | _ | <u> </u> | <u> </u> | Щ | Щ | <u> </u> | 4 | 65 | Ш | Ш | Ш | Ш | \sqcup | | 4 | \perp | 1 | | 115 | | | Ш | Щ | | Ш | | ļ | |
| (16 | | | + | 4 | | _ | <u> </u> | ├— | | | \vdash | | 66 | Щ | | | Щ | \sqcup | 4 | _ | | 4 | <u></u> | 116 | <u> </u> | Ш | | Щ | | Щ | _ | | |
| 17 | į į | 4 | + | + | - | | L_ | ⊢ | Н | \dashv | - | | 67 | ш | Ш | \vdash | $\vdash\vdash$ | | | \dashv | \perp | ┨. | ├ | 117 | <u> </u> | | ļ | Щ | | Н | _ | _ | |
| 18 [,] | 7 | + | + | + | - | | _ | | $\vdash\vdash$ | \dashv | \vdash | | 68 69 | | | | | \dashv | \dashv | \dashv | | 4 | | 118 | _ | \vdash | _ | \vdash | | Н | \dashv | | <u> </u> |
| 20 | | + | + | + | -+ | _ | <u> </u> | \vdash | \vdash | \dashv | \vdash | | 70 | Н | \vdash | _ | \vdash | \dashv | \dashv | + | + | - | \vdash | 119 120 | \vdash | \vdash | - | Н | | H | | - | <u> </u> |
| 21 | ╁ | + | + | + | \dashv | | - | \vdash | \vdash | \dashv | \vdash | | 71 | H | \vdash | \vdash | \dashv | \dashv | -+ | \dashv | + | ┨ . | - | 120 | \vdash | \vdash | - | - | _ | \vdash | \dashv | \dashv | |
| 22 | + | ╁ | ╅ | + | - | | | ┝ | Н | \dashv | \vdash | | 72 | \vdash | \vdash | - | - | \dashv | - + | -+ | + | ┨ | <u> </u> | 122 | ┝ | Н | | - | | Н | \dashv | \dashv | _ |
| 23 | | + | ╁ | \dagger | ┪ | | | <u> </u> | Н | | - | 十 | 73 | | | \vdash | | \dashv | 十 | -+ | \dashv | ┨ | | 123 | | \vdash | | | | Н | | \dashv | |
| 24 | ╈ | ╅ | 十 | \dagger | 7 | | | \vdash | Н | \dashv | | + | 74 | - | | - | | | 7 | \dashv | + | 1 | - | 124 | | | _ | | | Н | \dashv | \dashv | |
| 25 | | _ | ┪ | + | | | | | | \neg | | + | 75 | | | | | \neg | 7 | \dashv | \top | 1 | | 125 | | H | _ | | _ | Н | \dashv | _ | |
| 26 | | \top | \top | 1 | | | | | | | | | 76 | | | | | | 丁 | | \dashv | 1 | | 126 | _ | | | | | П | | ╛ | |
| 27 | I | | | T | | | | | | | | | 77 | | | | | | T | \neg | | 1 | | 127 | | | | П | | | \neg | \neg | |
| 28 | | | \perp | | | | | | | | | _[| 78 | | | | | | | | |] | | 128 | | | | | | | | コ | |
| 29 | | ᆚ | \perp | ᆚ | | | | | | | | | 79 | | | | | | | | | | | 129 | | | | | | | | | |
| 30 | \perp | _ | 1 | 4 | _ | | | L | | Ш | <u> </u> | | 80 | | | | | | | _ | | 1 | <u></u> | 130 | | | | | | | | \Box | |
| 31 | 4 | _ | 4 | 4 | _ | | | <u> </u> | | | <u> </u> | | 81 | | | | | _ | 4 | \dashv | | 1 | | 131 | | | | | | | [| \Box | |
| 32 | | + | _ | 4 | 4 | | <u> </u> | ├ | Ш | Щ | _ | | 82 | Щ | Щ | | | | _ | \perp | | 4 | <u></u> | 132 | <u> </u> | | | Щ | | Ш | | | |
| 33 | | + | + | + | - | | ļ | \vdash | Н | \dashv | \vdash | | 83 | Н | $\vdash\vdash$ | - | | \dashv | \dashv | \dashv | | 4 | <u> </u> | 133 | <u> </u> | \vdash | L | Щ | | Щ | _ | _ | |
| 34 | | + | + | + | - | - | <u> </u> | \vdash | Н | \dashv | \vdash | | 84 85 | Н | Н | | \vdash | \dashv | \dashv | \dashv | + | 4 | | 134 | <u> </u> | \vdash | H | \vdash | _ | Н | | | _ |
| 36 | | - - | + | + | \dashv | - | \vdash | - | Н | \dashv | - | | 86 | Н | \vdash | \vdash | \vdash | \dashv | \dashv | + | + | - | - | 135 136 | \vdash | \vdash | - | \vdash | _ | Н | | \dashv | _ |
| 37 | + | ╁ | ╁ | + | ┪ | - | H | \vdash | Н | \dashv | - | | 87 | Н | Н | - | \vdash | \dashv | \dashv | - | + | ┨ | | 137 | - | \vdash | H | \vdash | | \vdash | | \dashv | |
| 38 | † | + | + | + | ┪ | | H | | Н | \dashv | \vdash | | 88 | Н | H | - | \vdash | \dashv | \dashv | + | + | 1 | — | 138 | \vdash | Н | - | - | - | H | | | _ |
| 39 | | + | 十 | \dagger | ᅥ | 7 | М | | Н | \dashv | | | 89 | | - | \vdash | \vdash | \dashv | 十 | + | + | 1 | | 139 | | \vdash | Н | \vdash | _ | H | - | \dashv | |
| 40 | | \top | 十 | 十 | 7 | | | | П | \dashv | | | 90 | М | Н | \dashv | П | \dashv | 十 | 7 | \neg | 1 | 1 | 140 | H | Н | Н | | _ | Н | _ | \dashv | |
| 41 | Τ | 1 | 十 | \top | 寸 | | | | П | П | | ٦. | 91 | | | | П | \dashv | 寸 | 7 | \top | 1 | | 141 | Г | П | М | | | H | -1 | 一 | |
| 42 | Τ | | Ţ | | T | | | | П | \Box | | Т | 92 | | | | | | T | 7 | | 1 | | 142 | T | | | | _ | П | \neg | \dashv | |
| 43 | | I | I | | | | | | | | | T | 93 | | | | | | ⇉ | | |] | | 143 | | | | П | | П | | \exists | |
| 44 | | Ι | I | I | J | | | | | | | T | 94 | | | | | | 丁 | | |] | | 144 | | | | | | | | 一 | |
| 45 | | \perp | \int | Ι | | | | | | | | | 95 | | | | | | \Box | ╗ | | | | 145 | | | | | | | | 一 | |
| 46 | | ╧ | \perp | Ţ | \Box | | | | | | | $oldsymbol{ol}}}}}}}}}}}}}}}$ | 96 | | | | | | $oxed{oxed}$ | $oldsymbol{\mathbb{I}}$ | |] | | 146 | | | | | | | J | | |
| 47 | | \perp | \perp | \perp | | | $oxed{oxed}$ | L_ | Ш | Ш | | | 97 | | | | | | $\perp I$ | \Box | | 1 | | 147 | | | | | | | \Box | | |
| 48 | | 丄 | ↓ | ↓ | _ | | | Щ | Ш | Ш | _ | \perp | 98 | Ш | Ш | \sqcup | | | \perp | Ţ | |]. | | 148 | | | | | | | | | |
| 49 | | \bot | + | 4 | 4 | _ | ļ., | \vdash | Щ | Щ | _ | \downarrow | 99 | Ш | Щ | Ц | Ш | | \perp | \downarrow | \bot | 1 | L | 149 | <u> </u> | Ш | | Ш | | Ш | | \Box | |
| 50 | L | | | \perp | \perp | | | L | L.J | | L_ | \perp | 100 | | L | | | | \perp | | | | L., | 150 | | LJ | | | | | | | ' |